

WHAT IS CLAIMED IS:

1. A connection management system for telecommunications comprising:
a first user terminal;
a second user terminal;
a telecommunications network interconnecting said first user terminal and said second user terminal; and
modular connection management software including a connection management software proxy for each of said first user terminal, said second user terminal and said telecommunications network, each of said connection management software proxies being operable:
to execute on said system; and
to provide the functionality to represent its owner's interests in managing the telecommunications connection.
2. A system as claimed in claim 1, wherein each said proxy is operable to provide the functionality to represent its owner's interests in managing set up, maintenance and tear down of the telecommunications connection.
3. A system as claimed in claim 2, wherein each said proxy is operable to provide the functionality to represent its owner's interests with respect to cost and quality of service in managing set up, maintenance and tear down of the telecommunications connection.
4. A system as claimed in claim 3, wherein each said proxy comprises:
multiple software agents each being operable to perform a specific task; and
a proxy object operable to instantiate particular ones of said multiple software agents in response to requirements of communications made over said telecommunications system.
5. A system as claimed in claim 4, wherein said telecommunications network comprises multiple telecommunications networks with varied protocols, each of said multiple telecommunications networks having its own connection management software proxy.

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6. A system as claimed in claim 5, wherein said proxy object is operable to locate said multiple software agents for execution on devices closest to where they are required.
7. A system as claimed in claim 6, which is further capable of handling multiple communications for a given entity, comprising:
a multitasking operating system executing on said system; and
said connection management software proxy for said given entity being operable to instantiate software agents require for each of said multiple communications.
8. A system as claimed in claim 7, wherein each said operating system comprises:
a real-time multitasking operating system including a scheduler to administer timely execution of software threads and functions.
9. A system as claimed in claim 8, wherein each said operating system comprises an operating system having a standard applications programming interface (API).
10. A method of connection management for a telecommunications system, executing on a telecommunications server, comprising the steps of:
interconnecting a first user terminal and a second user terminal; and
executing modular connection management software including a connection management software proxy for each of said first user terminal, said second user terminal and said telecommunications server, each of said connection management software proxies being operable:
to execute on said telecommunications system; and
to provide the functionality to represent its owner's interests in managing a telecommunications connection.
11. A telecommunications server for a telecommunications system comprising:
interconnecting means for interconnecting a first user terminal and a second user terminal; and

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modular connection management means including a connection management software proxy for each of said first user terminal, said second user terminal and said telecommunications server, each of said connection management software proxies being operable:

- to execute on said telecommunications system; and
- to provide the functionality to represent its owner's interests in managing a telecommunications connection.

12. A computer data signal embodied in a carrier wave, said computer data signal comprising a set of machine executable code being executable by a computer to perform the steps of claim 10.

13. A computer readable storage medium storing a set of machine executable code, said set of machine executable code being executable by a computer server to perform the steps of claim 10.

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